

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
FPN E17608 Enterprise Pipeline Spill - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: POLREP #1
Initial Polrep
FPN E17608 Enterprise Pipeline Spill
FPN E17608
Trenton, TX
Latitude: 33.4353530 Longitude: -96.3437284

To: Reggie Cheatham, EPA HQ
Ronnie Crossland, EPA R6
Aimee Beveridge, TRRC

From: Nicolas Brescia, OSC

Date: 1/31/2017

Reporting Period: 1/30/2017 to 02/02/2017

1. Introduction

1.1 Background

Site Number:	FPN E17608	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	1/30/2017	Start Date:	1/30/2017
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:	E17608	Reimbursable Account #:	

1.1.1 Incident Category

Oil Pollution Act (OPA) assessment and removal.

1.1.2 Site Description

The spill origin is located approximately 100 feet east of HWY 121 and 0.35 miles southwest of HWY 160.

Latitude: 33.380897° North, Longitude 96.406327° West. The closest waterways are Desert Creek (approximately 0.5 miles to the east) and Pilot Grove Creek (approximately 1.1 miles to the west).

1.1.2.1 Location

15229 HWY 121, Collin County, Trenton, TX.

1.1.2.2 Description of Threat

Approximately 15,000 bbls of crude oil was discharged from a 30 inch transmission pipeline adjacent to HWY 121. Due to the volume of the oil discharged, and its location, a substantial threat exists to a nearby creek. Pilot Grove Creek is located approximately 1.1 mile down-gradient from the discharge location.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On 30 January 2017 at approximately 1833, Enterprise Crude Pipeline (Enterprise) reported to the NRC that a transmission pipeline had been damaged and an unknown amount of oil had been discharged onto land. The NRC Report number 1169875 indicated the damaged pipeline contained up to 70,000 bbls of crude oil. The discharge occurred at 1545 from a 30 inch transmission pipeline owned by Enterprise. The discharge occurred during grading operations conducted by RPMX, a subcontractor to Austin Bridge and Road. Austin Bridge and Road was contracted by the Texas Department of Transportation (TXDOT) to complete a road expansion construction project along Texas State Highway 121 (HWY 121). During bulldozer grading operations, the operator was reportedly reversing with a raised blade when the pipeline failure occurred. The pipeline intersects HWY 121 in a NW/SE direction. An estimated 15,000 barrels of oil discharged from the pipeline within the footprint of the road expansion project, directly east of HWY 121. The pipeline failure temporarily resulted in a geyser which sprayed onto HWY 121 and adjacent soil. At approximately 1630, Enterprise contractors were on-site mitigating the discharge. At approximately 1700, Enterprise had isolated and secured the line. The discharged oil is classified as a light, sweet crude oil with low viscosity, low hydrogen sulfide, and with a high benzene content.

On 30 January 2017 at approximately 1847, EPA Phone Duty Officer (PDO) deployed the EPA Response

Duty Officer (RDO) to the scene. At 2125, On-Scene Coordinator (OSC) Nicolas Brescia and EPA's Superfund Technical Assessment and Response Team (START) arrived on-scene and initiated an assessment of the incident. During the initial assessment, crude oil was observed in a series of constructed earthen berm containments between the pipeline failure location and HWY 121. The majority of the discharged crude oil flowed southwest and parallel to HWY 121 within the road expansion construction footprint directly east of HWY 121. Enterprise and their Oil Spill Response Organization (OSRO) contractors were on-site conducting free oil recovery operations utilizing vacuum trucks for recovery and frac tanks for storage. The discharge was contained approximately 0.2 miles southwest of the spill origin. Air monitoring contractor CTEH was on-site conducting continuous air monitoring in the impacted areas and off-site and downwind of the spill. Approximately 60 personnel were on-site responding to the incident.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On 30 January 2017, TXDOT and their construction contractors, and Enterprise and their OSRO contractors, responded to the incident and constructed earthen berm containment areas to contain the oil. Vacuum trucks were utilized to recover the free oil. Frac tanks were used to store the oil on site. Enterprise contracted CTEH to assist in perimeter and on-site air monitoring during the response. At 2125 hour OSC Brescia and START arrived on site, met with Enterprise, and began an assessment. START conducted air monitoring utilizing a 5 gas MultiRAE and UltraRAE (with benzene tube) and determined that the high benzene content of the spilled oil was creating an unsafe atmosphere with readings between 30 and 40 parts per million (ppm). LEL readings were observed between 0% and 5%. Based on air monitoring readings, OSC Brescia informed Enterprise that respiratory protection or engineering controls needed to be implemented along the spill pathway for all response personnel. OSC Brescia and START assessed Desert Creek to the northeast of the incident location and Pilot Grove Creek to the southwest of the incident location to determine if any oil had impacted the creeks. No oil was observed in either creek. Enterprise had contained the discharged oil to an area adjacent to HWY 121. START conducted air monitoring surveys at potential receptors downwind of the incident. The receptors included an EXXON gas station which was located approximately 0.25 miles northeast of the incident location, and a residence located at approximately 0.40 miles northeast of the incident. No elevated readings of Benzene or VOCs were observed.

On 31 January 2017, Enterprise evacuated the spill area and implemented health and safety procedures including respiratory protection for workers in areas along the discharge pathway that had elevated Benzene and VOC readings. Enterprise had approximately 68 contractors on site and continued to conduct recovery and containment operations. OSC Brescia met with the Texas Railroad Commission(TRRC) representative on-site and discussed response operations. OSC Brescia requested that Enterprise create an ICS 201 and daily ICS 209s to document objectives and to provide daily updates of response activities. OSC Brescia and the TRRC representative requested that Enterprise create a Weather Contingency Plan to prepare for any unexpected weather event. The Weather Contingency Plan would provide details on how Enterprise would manage any large rain event and how they would mitigate any free oil or sheen that could travel down-gradient to Pilot Grove Creek. START conducted an assessment at Pilot Grove Creek, which is located approximately 1 mile south of the spill origin. No visible free product was visible in the creek and air monitoring readings were non-detect. START conducted air monitoring of the site perimeter and at containment locations. Benzene readings ranged from approximately 2.8 ppm to 30.25 ppm. No air monitoring readings were detected at the potential receptors downwind. START continued photo-documentation of response activities. Enterprise began excavation along the impacted area of the pipeline and attempted to apply a clamp to the damaged section. DOT Pipeline Hazardous Materials Safety Administration (PHMSA) arrived on site and conducted an investigation of the incident. An ICS 201 and 209 had been created and Enterprise notified OSC Brescia that approximately 3750 bbls of oil had been recovered and approximately 850 bbls of oil had been transported off-site to an Enterprise facility.

On 01 February 2017, Enterprise completed the recovery of all free product. Enterprise created and implemented a Weather Contingency plan on-site and off-site. Enterprise began pushing and stockpiling oil impacted soil into piles in preparation of removal operations. OSC Brescia and the TRRC met with Enterprise and discussed soil sampling operations and waste management plans. A draft sampling plan was provided to the TRRC. START conducted air monitoring and photo-documentation of the response. To date, approximately 4100 bbls of free oil had been recovered and approximately 3992 bbls of oil had been transported off-site to an Enterprise facility.

On 02 February 2017, Enterprise applied two Pletco clamps to the pipeline and began running tests on the line. Enterprise began transportation and disposal of impacted soil. OSC Brescia requested that IAPs and frequent updates continued throughout the soil excavation process. New pieces of pipe arrived on scene and Enterprise informed OSC Brescia that repairs should be completed by 06 February 2017 pending PHMSA approval. OSC Brescia and START demobilized from the site.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

The Responsible Party is Enterprise Crude Pipeline. OSC Brescia issued Enterprise Crude Pipeline a Notice of Federal Interest.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

EPA OSC Brescia will continue to monitor progress through the IAPs and the ICS 209s. The TRRC will manage all soil excavation and remediation operations.

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
TAT/START	\$20,000.00	\$9,000.00	\$11,000.00	55.00%
Intramural Costs				
USEPA - Direct	\$3,500.00	\$800.00	\$2,700.00	77.14%
USEPA - InDirect	\$1,500.00	\$0.00	\$1,500.00	100.00%
Total Site Costs	\$25,000.00	\$9,800.00	\$15,200.00	60.80%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

EPA
TRRC
Enterprise Crude Pipeline

3.2 Cooperating Agencies

EPA
PHMSA
TXDOT
TXDPS
TRRC
Collin County Sheriff's Deptment

4. Personnel On Site

Enterprise Crude Pipeline had approximately 68 contractors on site.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.